BUFFALO AirStation G54

125* High-Speed Mode™ Wireless Cable/DSL Smart Router – WHR-G54S

The Buffalo AirStation G54 Wireless Cable/DSL Smart Router combines the 125* High Speed Mode wireless performance with Buffalo's AirStation One-Touch Secure System™ (AOSS™). This router increases "real world" wireless performance up to 35% compared to a standard 802.11g Router. This Smart Router automatically detects and configures your Cable or DSL internet connection. Security features include WPA, WEP, Privacy Separator, Intrusion Detector, and SPI firewall. In addition to fast wireless performance, WHR-G54S features a built-in external switch between wireless router and wireless bridge access point. The combination of speed, security, and push-button setup of wireless connections and internet, makes the Buffalo AirStation G54 Wireless Cable/DSL Smart Router the ideal choice for your wireless network.

Automatically Detects and Sets Up Your Cable or DSL Internet Connection.

AirStation
WHR-G54S

- 802.11g Wireless 125* High- Speed Mode™ Transfer Rates When Used with 125* High- Speed Mode™ Adapter
- Simple Web Browser Configuration
- Supports WDS To Increase Coverage With Optional Repeater
- External Switch To Instantly Change Between Wireless Router and Wireless Access Point
- Easy Setup with AirStation One-Touch Secure System™ (AOSS™)
- Automatic Channel Support Selects Best Available Wireless Networking Channel
- Supports WPA-PSK (TKIP, AES) and 128/64-bit WEP Security
- Includes NAT and SPI Firewall and Intrusion Detector
- Dynamic Packet Filtering
- Built-in DHCP Server
- Built-in 10/100 4-Port Auto-Sensing Switch
- Optimised High-Speed Routing, up to 5 Times Faster than Standard Routers

2 Products in 1!

External Switch Quickly And Easily Changes Between Wireless Router and Wireless Bridge Access Point

Router Mode

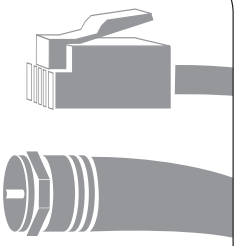
Shares a Cable or DSL connection with multiple wired and wireless devices.

Bridge Access Point Mode

Quickly adds wireless access to your existing local area network.

Smart Router

Automatically Sets Up Cable or DSL Connection.



Automatic Router Configuration makes installing your wireless router easier than ever. Plug your cable or DSL modem into the AirStation, then plug your computer into the AirStation or connect to the AirStation wirelessly and open your web browser.*

*Users with DSL PPPoE connections will have to enter PPPoE information on a wizard screen that automatically appears upon opening your browser.

AOSS™ AirStation One-Touch Secure System

WPA TKIP AES SECURITY

125 HIGH SPEED MODE

Intrusion Detector

Auto Channel

Cable/DSL ROUTER

BUFFALO™

www.buffalo-technology.com

Technical Specifications
125* High-Speed Mode™ Wireless Cable/DSL Smart Router – WHR-G54S

Wireless LAN Interface

Standard Compliance	IEEE802.11b/IEEE802.11g
Communication Protocol	Direct Sequence Spread Spectrum (DSSS), OFDM
Frequency Range	2,412 - 2,462 MHz (1-11 channel)
Transmission Rate	802.11g 125* High-Speed Mode: 13, 20, 27, 40, 54, 80, 110, 125 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Access Mode	Infrastructure mode, WDS
Security	WPA-PSK(AES, TKIP), 128/64-bit WEP, Wireless Power Output Setting, MAC Address Registration

Wired LAN Interface

Standards Compliance	IEEE802.3u(100 Base-TX) IEEE802.3(10 Base-T)
Transmission Rate	10/100 Mbps
Transmission Encoding Method	100 BASE-TX 4B5B/MLT-3 10 Base-T Manchester Coding
Access Method	CSMA/CD
LAN Port	10/100 Mbps, Auto Sensing, Auto MDIX
Number of LAN Ports	4
WAN Port	10/100 Mbps, Auto Sensing, Auto MDIX High-Speed Routing to Support FTTH
Number of WAN Ports	1
WAN/LAN Port Connector	RJ-45
Security	Dynamic Packet Filtering, Intrusion Detector, NAT/SPI Firewall

Other

Power Supply	100-240 V AC Universal, 50/60 Hz
Power Consumption	About 3.4 W (Max)
Dimensions	1.1 x 5.1 x 5.7 in. (28 x 130 x 144 mm)
Weight	9.8 oz. (277 g)
Operating Environment	0-40°C, 20-80% (non-condensing)

Related Products

Repeaters: WLA2-G54C, WLA2-G54L

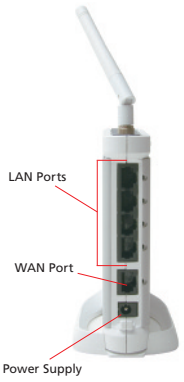
Client Adapters: WLI-CB-G54S*, WLI-CB-G54HP*, WLI2-PCI-G54S*, WLI2-CB-G54L, WLI-U2-KG54-AI, WLI3-TX1-G54, WLI2-USB2-G54

**Recommended to be used for maximum performance with 125* High Speed Mode.*

AirStation

WHR-G54S

Rear View



Buffalo Technology (UK), Ltd. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. Buffalo offers home users a full suite of wireless home networking solutions such as its award-winning line of AirStation 54g products; its 125* High-Speed Mode™ 802.11g products; and its versatile line of 802.11b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment.

AOSS™ - One Click. One Touch. Done.

- (1) Press the AOSS button on the router to initiate the AOSS session.
- (2) Click on the AOSS icon in the Buffalo Client Manager Software.

- Done - A secure connection is automatically established between the Router and the Laptop.

AOSS functions between Buffalo AOSS enabled devices only. Buffalo client devices are AOSS enabled by using Buffalo's updated client manager software (Windows clients only).

BUFFALO™

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